Journal of Energy Resources Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abbaspour, M., Chapman, K. S., and Krishnaswami, P. — Nonisothermal Compressor Station Optimization. **127,** 131–141
Aceves, Salvador M. — (see Berry, Gene D.) **127,** 89–94(D)
____ (see Hernández-Guerrero, Abel) **127,** 95–102
Acosta, Edgar — (see Childs, Jeffrey D.) **127,** 153–162
Adebiyi, George A. — Formulations for the Thermodynamic Properties of Pure Substances. **127,** 83–87(TB)
Al-Hiddabi, S. — (see Seibi, A. C.) **127,** 323–327(TB)

Barbarelli, Silvio, Florio, Gaetano, and Scornaienchi, Nino Michele — Performance Analysis of a Low-Power Tangential Flow Turbine With Rotary Channel. **127,** 272–279
Bennion, D. Brant, and Thomas, F. Brent — Formation Damage Issues Impacting the Productivity of Low Permeability, Low Initial Water Saturation Gas Producing Formations. **127,** 240–247
Berry, Gene D., and Aceves, Salvador M. — The Case for Hydrogen in a Carbon Constrained World. **127,** 89–94(D)
Bleyle, Derek — (see Daas, Mutaz) **127,** 149–152

Cabrera-Ruiz, Eduardo — (see Hernández-Guerrero, Abel) **127,** 95–102
Çamdali, Ünal, and Tunç, Murat — Computation of Chemical Exergy Potential in an Industrial AC Electric ARC Furnace. **127,** 66–70
Cao, Jun, and Djilali, Ned — Numerical Modeling of PEM Fuel Cells Under Partially Hydrated Membrane Conditions. **127,** 26–36
Chapman, K. S. — (see Abbaspour, M.) **127,** 131–141
Chen, Jincan, Tyagi, S. K., Kaushik, S. C., Tiwari, V., and Wu, Chih — Effects of Several Major Irreversibilities on the Thermodynamic Performance of a Regenerative MHD Power Cycle. **127,** 103–118
Chen, Min, Lu, Shan-Shan, and Liao, Bo — On the Figure of Merit of Thermoelectric Generators. **127,** 37–41
Chen, Tom X. — (see Wang, Qian) **127,** 302–309
Childs, Jeffrey D., Acosta, Edgar, Scamehorn, John F., and Sabatini, David A. — Surfactant-Enhanced Treatment of Oil-Based Drill Cuttings. **127,** 153–162
Civan, Faruk — Special Issue. **127,** 169–170(ED)
____ (see Jahediesfanjani, Hossein) **127,** 248–256
____ (see Liu, Ning) **127,** 163–165(TB)
____ (see Wang, Shaojun) **127,** 310–317
____ (see Wang, Shaojun) **127,** 318–322
Craig, Joe — (see Maxwell, T. T.) **127,** 71–82

Daas, Mutaz, and Bleyle, Derek — Influence of Liquid Viscosity on the Pressure Loss and the Effectiveness of Drag-Reducing Agents in Horizontal Slug Flow. **127,** 149–152
Darwish, Mohamed — (see Klausner, James F.) **127,** 88(E)
Ding, Y., and Renard, G. — Evaluation of Horizontal Well Performance After Drilling-Induced Formation Damage. **127,** 257–263
Djilali, Ned — (see Cao, Jun) **127,** 26–36

Engeda, Abraham — (see Raheel, Mukarrum) **127,** 7–14
Ertas, A. — (see Maxwell, T. T.) **127,** 71–82

Fleck, Brian A. — (see Rudolf, Jeffrey J.) **127,** 285–292
Florio, Gaetano — (see Barbarelli, Silvio) **127,** 272–279

Gomez, Luis — (see Marrelli, Jack D.) **127,** 293–301
Gonet, Andrzej — (see Śliwa, Tomasz) **127,** 142–148
Goswami, D. Y. — (see Vijayaraghavan, Sanjay) **127,** 125–130
Gupta, A. — (see Misra, R. D.) **127,** 119–124

Hayatdavoudi, A. — Formation Sand Liquefaction: A Mechanism for Explaining Fines Migration and Well Sanding. **127,** 181–190
Heidrick, Ted R. — (see Rudolf, Jeffrey J.) **127,** 285–292
Hernández-Guerrero, Abel, Aceves, Salvador M., Cabrera-Ruiz, Eduardo, and Romero-Méndez, Ricardo — Effect of Cell Geometry on the Freezing and Melting Processes inside a Thermal Energy Storage Cell. **127,** 95–102
Hill, A. D. — (see Li, Chunlou) **127,** 225–232
Holcomb, David — (see Penny, Glenn) **127,** 233–239

Jahediesfanjani, Hossein, and Civan, Faruk — Damage Tolerance of Well-Completion and Stimulation Techniques in Coalbed Methane Reservoirs. **127,** 248–256
Jordan, Myles M. — (see Mackay, Eric J.) **127,** 201–213

Kaushik, S. C. — (see Chen, Jincan) **127,** 103–118
Kilicaslan, Ibrahim, and Ozdemir, Engin — Energy Economy With a Variable Speed Drive in an Oxygen Trim Controlled Boiler House. **127,** 59–65
Klausner, James F., Li, Yi, Darwish, Mohamed, and Mei, Renwei — Erratum: "Innovative Diffusion Driven Desalination Process" (ASME J. Energy Resour. Technol., 2004, **126**, pp. 219–225). **127,** 88(E)
Kovscek, A. R. — (see Schembre, J. M.) **127,** 171–180
Krishnaswami, P. — (see Abbaspour, M.) **127,** 131–141
Kudo, K. — (see Obara, S.) **127,** 265–271

Leontaritis, Kosta J. — Asphaltene Near-well-bore Formation Damage Modeling. **127,** 191–200
Li, Chunlou, Xie, Tao, Pournik, Maysam, Zhu, Ding, and Hill, A. D. — Fine-Scale Simulation of Sandstone Acidizing. **127,** 225–232
Li, Yi — (see Klausner, James F.) **127,** 88(E)
Liao, Bo — (see Chen, Min) **127,** 37–41
Liu, Ning, and Civan, Faruk — Underground Gas Storage Inventory Analysis by a Noniterative Method. **127,** 163–165(TB)
Lu, Shan-Shan — (see Chen, Min) **127,** 37–41

Journal of Energy Resources Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abbaspour, M., Chapman, K. S., and Krishnaswami, P. — Nonisothermal Compressor Station Optimization. **127,** 131–141
Aceves, Salvador M. — (see Berry, Gene D.) **127,** 89–94(D)
____ (see Hernández-Guerrero, Abel) **127,** 95–102
Acosta, Edgar — (see Childs, Jeffrey D.) **127,** 153–162
Adebiyi, George A. — Formulations for the Thermodynamic Properties of Pure Substances. **127,** 83–87(TB)
Al-Hiddabi, S. — (see Seibi, A. C.) **127,** 323–327(TB)

Barbarelli, Silvio, Florio, Gaetano, and Scornaienchi, Nino Michele — Performance Analysis of a Low-Power Tangential Flow Turbine With Rotary Channel. **127,** 272–279
Bennion, D. Brant, and Thomas, F. Brent — Formation Damage Issues Impacting the Productivity of Low Permeability, Low Initial Water Saturation Gas Producing Formations. **127,** 240–247
Berry, Gene D., and Aceves, Salvador M. — The Case for Hydrogen in a Carbon Constrained World. **127,** 89–94(D)
Bleyle, Derek — (see Daas, Mutaz) **127,** 149–152

Cabrera-Ruiz, Eduardo — (see Hernández-Guerrero, Abel) **127,** 95–102
Çamdali, Ünal, and Tunç, Murat — Computation of Chemical Exergy Potential in an Industrial AC Electric ARC Furnace. **127,** 66–70
Cao, Jun, and Djilali, Ned — Numerical Modeling of PEM Fuel Cells Under Partially Hydrated Membrane Conditions. **127,** 26–36
Chapman, K. S. — (see Abbaspour, M.) **127,** 131–141
Chen, Jincan, Tyagi, S. K., Kaushik, S. C., Tiwari, V., and Wu, Chih — Effects of Several Major Irreversibilities on the Thermodynamic Performance of a Regenerative MHD Power Cycle. **127,** 103–118
Chen, Min, Lu, Shan-Shan, and Liao, Bo — On the Figure of Merit of Thermoelectric Generators. **127,** 37–41
Chen, Tom X. — (see Wang, Qian) **127,** 302–309
Childs, Jeffrey D., Acosta, Edgar, Scamehorn, John F., and Sabatini, David A. — Surfactant-Enhanced Treatment of Oil-Based Drill Cuttings. **127,** 153–162
Civan, Faruk — Special Issue. **127,** 169–170(ED)
____ (see Jahediesfanjani, Hossein) **127,** 248–256
____ (see Liu, Ning) **127,** 163–165(TB)
____ (see Wang, Shaojun) **127,** 310–317
____ (see Wang, Shaojun) **127,** 318–322
Craig, Joe — (see Maxwell, T. T.) **127,** 71–82

Daas, Mutaz, and Bleyle, Derek — Influence of Liquid Viscosity on the Pressure Loss and the Effectiveness of Drag-Reducing Agents in Horizontal Slug Flow. **127,** 149–152
Darwish, Mohamed — (see Klausner, James F.) **127,** 88(E)
Ding, Y., and Renard, G. — Evaluation of Horizontal Well Performance After Drilling-Induced Formation Damage. **127,** 257–263
Djilali, Ned — (see Cao, Jun) **127,** 26–36

Engeda, Abraham — (see Raheel, Mukarrum) **127,** 7–14
Ertas, A. — (see Maxwell, T. T.) **127,** 71–82

Fleck, Brian A. — (see Rudolf, Jeffrey J.) **127,** 285–292
Florio, Gaetano — (see Barbarelli, Silvio) **127,** 272–279

Gomez, Luis — (see Marrelli, Jack D.) **127,** 293–301
Gonet, Andrzej — (see Śliwa, Tomasz) **127,** 142–148
Goswami, D. Y. — (see Vijayaraghavan, Sanjay) **127,** 125–130
Gupta, A. — (see Misra, R. D.) **127,** 119–124

Hayatdavoudi, A. — Formation Sand Liquefaction: A Mechanism for Explaining Fines Migration and Well Sanding. **127,** 181–190
Heidrick, Ted R. — (see Rudolf, Jeffrey J.) **127,** 285–292
Hernández-Guerrero, Abel, Aceves, Salvador M., Cabrera-Ruiz, Eduardo, and Romero-Méndez, Ricardo — Effect of Cell Geometry on the Freezing and Melting Processes inside a Thermal Energy Storage Cell. **127,** 95–102
Hill, A. D. — (see Li, Chunlou) **127,** 225–232
Holcomb, David — (see Penny, Glenn) **127,** 233–239

Jahediesfanjani, Hossein, and Civan, Faruk — Damage Tolerance of Well-Completion and Stimulation Techniques in Coalbed Methane Reservoirs. **127,** 248–256
Jordan, Myles M. — (see Mackay, Eric J.) **127,** 201–213

Kaushik, S. C. — (see Chen, Jincan) **127,** 103–118
Kilicaslan, Ibrahim, and Ozdemir, Engin — Energy Economy With a Variable Speed Drive in an Oxygen Trim Controlled Boiler House. **127,** 59–65
Klausner, James F., Li, Yi, Darwish, Mohamed, and Mei, Renwei — Erratum: "Innovative Diffusion Driven Desalination Process" (ASME J. Energy Resour. Technol., 2004, **126**, pp. 219–225). **127,** 88(E)
Kovscek, A. R. — (see Schembre, J. M.) **127,** 171–180
Krishnaswami, P. — (see Abbaspour, M.) **127,** 131–141
Kudo, K. — (see Obara, S.) **127,** 265–271

Leontaritis, Kosta J. — Asphaltene Near-well-bore Formation Damage Modeling. **127,** 191–200
Li, Chunlou, Xie, Tao, Pournik, Maysam, Zhu, Ding, and Hill, A. D. — Fine-Scale Simulation of Sandstone Acidizing. **127,** 225–232
Li, Yi — (see Klausner, James F.) **127,** 88(E)
Liao, Bo — (see Chen, Min) **127,** 37–41
Liu, Ning, and Civan, Faruk — Underground Gas Storage Inventory Analysis by a Noniterative Method. **127,** 163–165(TB)
Lu, Shan-Shan — (see Chen, Min) **127,** 37–41

Mackay, Eric J., and Jordan, Myles M. — Impact of Brine Flow and Mixing in the Reservoir on Scale Control Risk Assessment and Subsurface Treatment Options: Case Histories. **127,** 201–213
Mamora, Daulat D. — (see Seo, Jeong G.) **127,** 1–6
Manring, Noah D. — Measuring Pump Efficiency: Uncertainty Considerations. **127,** 280–284
Marrelli, Jack D., Mohan, Ram S., Wang, Shoubo, Gomez, Luis, and Shoham, Ovadia — Use of Multiphase Meters in Process Control for Oil Field Well Testing: Performance Enhancement Through GVF Control. **127,** 293–301
Maxwell, T. T., Nevill, Joe D., Ertas, A., and Craig, Joe — Biomass Feed System Flow Control Using a Weigh Belt Table. **127,** 71–82
Mei, Renwei — (see Klausner, James F.) **127,** 88(E)
Misra, R. D., Sahoo, P. K., and Gupta, A. — Thermoeconomic Optimization of a LiBr/H_2O Absorption Chiller Using Structural Method. **127,** 119–124
Mohan, Ram S. — (see Marrelli, Jack D.) **127,** 293–301

Nasr-El-Din, Hisham A. — Formation Damage Induced by Chemical Treatments: Case Histories. **127,** 214–224
Nevill, Joe D. — (see Maxwell, T. T.) **127,** 71–82
Nihous, Gérard C. — An Order-of-Magnitude Estimate of Ocean Thermal Energy Conversion Resources. **127,** 328–333(TB)

Obara, S., and Kudo, K. — Study of a Small-Scale Fuel Cell Cogeneration System with Methanol Steam Reforming Considering Partial Load and Load Fluctuation. **127,** 265–271
Ozdemir, Engin — (see Kilicaslan, Ibrahim) **127,** 59–65

Penny, Glenn, Pursley, John T., and Holcomb, David — Microemulsion Additives Enable Optimized Formation Damage Repair and Prevention. **127,** 233–239
Pervez, T. — (see Seibi, A. C.) **127,** 323–327(TB)
Pilehvari, Ali A., and Serth, Robert W. — Generalized Hydraulic Calculation Method Using Rational Polynomial Model. **127,** 15–25
Pournik, Maysam — (see Li, Chunlou) **127,** 225–232
Pursley, John T. — (see Penny, Glenn) **127,** 233–239

Raheel, Mukarrum, and Engeda, Abraham — Performance Characteristics of Regenerative Flow Compressors for Natural Gas Compression Application. **127,** 7–14
Rajan, V. S. V. — (see Rudolf, Jeffrey J.) **127,** 285–292
Renard, G. — (see Ding, Y.) **127,** 257–263
Romero-Méndez, Ricardo — (see Hernández-Guerrero, Abel) **127,** 95–102
Rudolf, Jeffrey J., Heidrick, Ted R., Fleck, Brian A., and Rajan, V. S. V. — Optimum Design Parameters for Reciprocating Pumps Used in Natural Gas Wells. **127,** 285–292

Sabatini, David A. — (see Childs, Jeffrey D.) **127,** 153–162
Sahoo, P. K. — (see Misra, R. D.) **127,** 119–124
Sarica, Cem — (see Wang, Qian) **127,** 302–309
Scamehorn, John F. — (see Childs, Jeffrey D.) **127,** 153–162
Schembre, J. M., and Kovscek, A. R. — Mechanism of Formation Damage at Elevated Temperature. **127,** 171–180
Scornaienchi, Nino Michele — (see Barbarelli, Silvio) **127,** 272–279
Seibi, A. C., Al-Hiddabi, S., and Pervez, T. — Structural Behavior of a Solid Tubular Under Large Radial Plastic Expansion. **127,** 323–327(TB)
Seo, Jeong G., and Mamora, Daulat D. — Experimental and Simulation Studies of Sequestration of Supercritical Carbon Dioxide in Depleted Gas Reservoirs. **127,** 1–6
Serra, Luis — (see Verda, Vittorio) **127,** 42–49
_____ (see Verda, Vittorio) **127,** 50–58
Serth, Robert W. — (see Pilehvari, Ali A.) **127,** 15–25
Shoham, Ovadia — (see Marrelli, Jack D.) **127,** 293–301
Śliwa, Tomasz, and Gonet, Andrzej — Theoretical Model of Borehole Heat Exchanger. **127,** 142–148

Thomas, F. Brent — (see Bennion, D. Brant) **127,** 240–247
Tiwari, V. — (see Chen, Jincan) **127,** 103–118
Tunç, Murat — (see Çamdali, Ünal) **127,** 66–70
Tyagi, S. K. — (see Chen, Jincan) **127,** 103–118

Valero, Antonio — (see Verda, Vittorio) **127,** 42–49
_____ (see Verda, Vittorio) **127,** 50–58
Verda, Vittorio, Serra, Luis, and Valero, Antonio — Thermoeconomic Diagnosis: Zooming Strategy Applied to Highly Complex Energy Systems. Part 1: Detection and Localization of Anomalies. **127,** 42–49
_____, **Serra, Luis, and Valero, Antonio** — Thermoeconomic Diagnosis: Zooming Strategy Applied to Highly Complex Energy Systems. Part 2: On the Choice of the Productive Structure. **127,** 50–58
Vijayaraghavan, Sanjay, and Goswami, D. Y. — Organic Working Fluids for a Combined Power and Cooling Cycle. **127,** 125–130

Wang, Qian, Sarica, Cem, and Chen, Tom X. — An Experimental Study on Mechanics of Wax Removal in Pipeline. **127,** 302–309
Wang, Shaojun, and Civan, Faruk — Modeling Formation Damage by Asphaltene Deposition During Primary Oil Recovery. **127,** 310–317
_____, **and Civan, Faruk** — Model-Assisted Analysis of Simultaneous Paraffin and Asphaltene Deposition in Laboratory Core Tests. **127,** 318–322
Wang, Shoubo — (see Marrelli, Jack D.) **127,** 293–301
Wu, Chih — (see Chen, Jincan) **127,** 103–118

Xie, Tao — (see Li, Chunlou) **127,** 225–232

Zhu, Ding — (see Li, Chunlou) **127,** 225–232